

Converting Colors

$Y_{xy}(50.0865, 0.2367, 0.2737)$

Have a look what the booklet for
Yxy(50.0865, 0.2367, 0.2737)
contains.

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Color

Yxy(50.2168, 0.2367, 0.2737)

Conversions

Conversions Part 1

Format	Color
Hex	78C5F0
RGB	120, 197, 240
RGB Percent	47%, 77%, 94%
CMY	0.5298, 0.2274, 0.0589
CMYK	0.50, 0.18, 0.00, 0.06
HSL	201°, 80%, 71%
HSV	201°, 50%, 94%
XYZ	43.4283, 50.2168, 89.8288
YIQ	178.8790, -59.6950, -2.9510

Conversions

Conversions Part 2

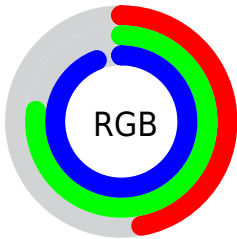
Format	Color
R _Y B	120, 167, 240
Decimal	7914992
CIE Lab	76.20, -12.32, -28.61
CIE LCh	76, 31.147, 246.708
Yxy	50.2168, 0.2367, 0.2737
Android (android.graphics.Color)	4286105072 (0xFF78C5F0)
YUV	178.8790, 30.1327, -51.6369
Hunter-Lab	70.8638, -14.6195, -25.5529

Details

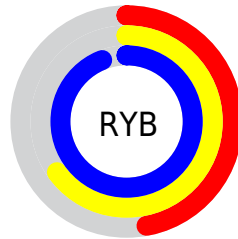
The Yxy color **50.2168, 0.2367, 0.2737** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.0260, 0.4284, 0.3764**, and the grayscale version is **44.8621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5686, 0.2690, 0.3278**, and **24.0354, 0.2175, 0.2578** is the 20% darker color. If you saturate the color by 10%, you get **44.9242, 0.2237, 0.2603**, and if you desaturate by 10%, it is **56.1651, 0.2509, 0.2865**.

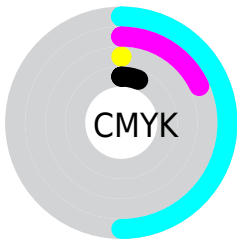
Distribution



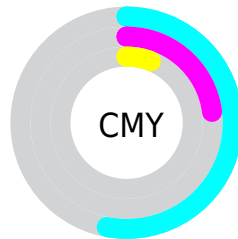
- Red (47%)
- Green (77%)
- Blue (94%)



- Red (47%)
- Yellow (65%)
- Blue (94%)



- Cyan (50%)
- Magenta (18%)
- Yellow (0%)
- Black (6%)



- Cyan (53%)
- Magenta (23%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2168, 0.2367, 0.2737 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 50.2168, 0.2367, 0.2737 by changing the saturation by 10% instead.

■ 50.2168, 0.2367,
0.2737

■ 50.2168, 0.2367,
0.2737

■ 387.5132, 0.2730,
0.3011

■ 35.5857, 0.2282,
0.2670

■ 90.4960, 0.2494,
0.2836

■ 24.1144, 0.2177,
0.2586

■ 116.9129, 0.2544,
0.2873

■ 15.4185, 0.2044,
0.2476

■ 148.0272, 0.2586,
0.2905

■ 9.1136, 0.1869,
0.2328

■ 184.2232, 0.2622,
0.2932

■ 4.8154, 0.1634,
0.2121

■ 225.8855, 0.2654,
0.2956

■ 2.1393, 0.1306,
0.1816

■ 273.3983, 0.2682,

■ 0.6866, 0.0689,

0.2977

0.1343

327.1460, 0.2707,
0.2995

0.0000, 0.0000,
0.0000

50.2168, 0.2367,
0.2737

50.2168, 0.2367,
0.2737

44.9242, 0.2237,
0.2603

56.1651, 0.2509,
0.2865

40.2453, 0.2124,
0.2465

62.7964, 0.2660,
0.2985

36.1406, 0.2030,
0.2325


70.1428, 0.2815,
0.3097

32.5618, 0.1957,
0.2187

78.2326, 0.2972,
0.3198

29.4396, 0.1904,
0.2053

87.0920, 0.3127,
0.3290

 95.0187, 0.3220,
0.3373

 99.0703, 0.3215,
0.3434

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.2168, 0.2371, 0.3030



50.2168, 0.2367, 0.2737



50.2168, 0.2548, 0.2609

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.2168, 0.2367, 0.2737



50.2168, 0.3712, 0.3119



50.2168, 0.3325, 0.4040

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50.2168, 0.2367, 0.2737



46.0260, 0.4284, 0.3764

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



50.2168, 0.3708, 0.4010



50.2168, 0.2367, 0.2737



50.2168, 0.3948, 0.3460

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.2168, 0.2367, 0.2737



50.2168, 0.3314, 0.2831



50.2168, 0.3942, 0.3785



50.2168, 0.2905, 0.3825

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.2168, 0.2367, 0.2737



50.2168, 0.2760, 0.2617



50.2168, 0.3942, 0.3785



50.2168, 0.3463, 0.4057

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50.2187, 0.2367, 0.2737



85.0299, 0.2893, 0.3148



68.9039, 0.2849, 0.4324



17.7838, 0.2860, 0.3127



0.0000, 0.0000, 0.0000



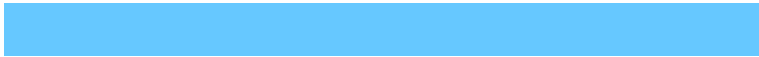
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.2187, 0.2367, 0.2737



51.4715, 0.2235, 0.2601



28.4312, 0.2211, 0.1932



16.9221, 0.2980, 0.3203



16.3787, 0.1910, 0.2075



1.5499, 0.1959, 0.2253

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



35.9659, 0.3619, 0.2469



34.9448, 0.3764, 0.2330



72.1047, 0.3948, 0.4350



15.9298, 0.3193, 0.3139



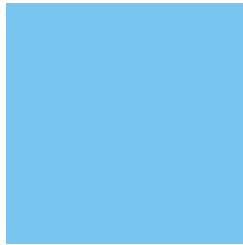
11.4468, 0.4369, 0.2181



0.9712, 0.4176, 0.2074

Previews

White Background



This preview shows how the Yxy color 50.2168, 0.2367, 0.2737 looks on a white background.

Color Contrast Check

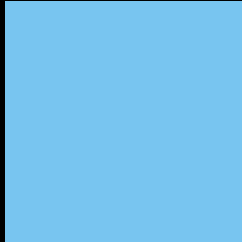
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 50.2168, 0.2367, 0.2737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

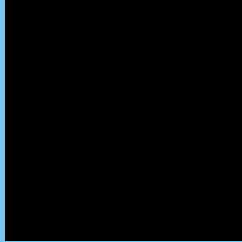
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

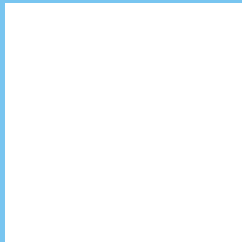
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.2168, 0.2367, 0.2737

Background



This preview shows how black text looks on a background with the Yxy color 50.2168, 0.2367, 0.2737.



This preview shows how white text looks on a background with the Yxy color 50.2168, 0.2367, 0.2737.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

50.2168, 0.2367, 0.2737

Protanopia

49.7542, 0.2724, 0.2720

Deuteranopia

49.8660, 0.2648, 0.2589



Tritanopia

50.2278, 0.2451, 0.3071

Trichromacy



Original Color

50.2168, 0.2367, 0.2737

Protanomaly

49.4613, 0.2577, 0.2717

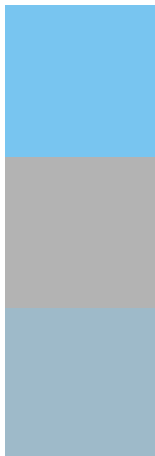
Deuteranomaly

49.7746, 0.2531, 0.2639

Tritanomaly

50.3896, 0.2423, 0.2956

Monochromacy



Original Color

50.2168, 0.2367, 0.2737

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.6040, 0.2798, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2168, 0.2367, 0.2737 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(120, 197, 240)` looks like.

```
.text, #text, p{  
    color:rgb(120, 197, 240)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(120, 197, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 197, 240) }
```

Border

The CSS property to change the border of an element to Yxy 50.2168, 0.2367, 0.2737 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(120, 197, 240) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(120, 197, 240) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(120, 197, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 197, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 197, 240);  
box-shadow:4px 4px 4px 4px rgb(120, 197,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2168, 0.2367, 0.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 197, 240) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(120,  
197, 240) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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